

# Claims

- [c1] 1.A keyboard controller (KBC) updating process in a computer system, comprising the steps of:  
preparing a basic input/output system (BIOS) flash utility, a KBC flash utility, a BIOS data and a KBC data in the system; and  
updating the KBC data during a power-on self-test (POST) of the system.
- [c2] 2.The KBC updating process as in claim 1, wherein the preparing step further comprises:  
building a BIOS including the BIOS data and the BIOS flash utility by using a BIOS designing tool;  
building a KBC including the KBC data and the KBC flash utility by using a KBC designing tool;  
combining the KBC into the BIOS; and  
getting the resultant BIOS in the system.
- [c3] 3.The KBC updating process as in claim 1, further comprising flashing a BIOS ROM in the system by using the BIOS flash utility between the preparing step and the updating step.
- [c4] 4.The KBC updating process as in claim 1, wherein the

updating step further comprises:

detecting version of the KBC data of the resultant BIOS and version of the KBC in the system by using the BIOS flash utility for determining whether the version of the KBC data is newer than the version of the KBC in the system; and

flashing the KBC in the system, if the version of the KBC data is newer than the version of the KBC in the system.

[c5] 5.The KBC updating process as in claim 4, wherein the step of flashing the KBC in the system further comprises the steps of:

shadowing the KBC data to a memory address;

calling the KBC flash utility;

reading by the KBC flash utility the KBC data stored in the memory address; and

flashing the KBC in the system by using the KBC flash utility.